

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L2    | 0    | ((("sub-channel\$1")) same (pilot adj2 track\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:26 |
| L3    | 235  | ((channel\$1)) same (pilot adj2 track\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:17 |
| L4    | 42   | 3 and (ofdm)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:13 |
| L5    | 1    | (mask\$3 near3 (pilot adj2 track\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:18 |
| L6    | 1    | 455/130.ccls. and (pilot adj2 mask\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:18 |
| L7    | 1    | 375/260.ccls. and (pilot adj2 mask\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:19 |
| L8    | 106  | (pilot adj2 mask\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:31 |
| L9    | 1    | 8 and ofdm and (sub-carrier\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:21 |
| L10   | 698  | (mitigat\$3 or eliminat\$3 or reduc\$4 or delet\$3 or null\$3 or zero\$3) adj2 ((viterbi adj2 mask) or spur) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/08/10 18:20 |

## EAST Search History

|     |    |  |   |    |     |                  |
|-----|----|--|---|----|-----|------------------|
| L11 | 1  | 9 and ofdm and (sub-carrier\$1)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:20 |
| L12 | 12 | (mask\$3 near3 (sub-carrier\$1))                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:32 |
| L13 | 0  | 12 and (pilot adj2 track\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:27 |
| L14 | 2  | 8 and (pilot adj2 track\$3)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:27 |
| L15 | 2  | 8 and (pilot near3 track\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:27 |
| L16 | 0  | 12 and (pilot near3 track\$3)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:27 |
| L17 | 1  | ((pilot adj2 mask\$3) near3<br>(sub-carrier\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:29 |
| L18 | 2  | ((pilot adj2 mask\$3) same<br>(sub-carrier\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:29 |
| L19 | 2  | ((pilot near3 mask\$3) same<br>(sub-carrier\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:30 |
| L20 | 4  | receiver near3 (pilot near3<br>mask\$3)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:30 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| L21 | 2    | receiver near3 (pilot adj2 mask\$3)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:30 |
| L22 | 1    | 8 and (mask\$3 near3<br>(sub-carrier\$1))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:31 |
| L23 | 1062 | (pilot adj2 track\$3)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:31 |
| L24 | 2    | 23 and (track\$3 near3<br>(sub-carrier\$1))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:27 |
| L25 | 40   | (track\$3 near3 (sub-carrier\$1))                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:24 |
| L26 | 0    | 25 and ((useful or good) near3<br>("sub-carrier\$1")) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:59 |
| L27 | 0    | 10 and (viterbi adj2 mask\$3)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:24 |
| L28 | 5    | (viterbi adj2 mask\$3)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:25 |
| L29 | 11   | (viterbi near3 mask\$3)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:26 |
| L30 | 0    | (viterbi near3 spur)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:27 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| L31 | 698 | 10 and (spur)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:27 |
| L32 | 0   | 31 and (track\$3 near3<br>(sub-carrier\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:27 |
| L33 | 0   | 31 and ((sub-carrier\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:28 |
| L34 | 1   | 31 and ofdm   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:29 |
| L35 | 2   | spur adj2 mitigation adj2<br>techniques   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:30 |
| L36 | 5   | spur adj2 mitigation  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 19:30 |
| S1  | 1   | (choi-won-joon.in.<br>gilbert-jeffrey-m.in. wang-yi-hsiu.<br>in.) and ((viterbi adj2 spur) or<br>spur)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:27 |
| S2  | 698 | (mitigat\$3 or eliminat\$3 or<br>reduc\$4 or delet\$3 or null\$3 or<br>zero\$3) adj2 ((viterbi adj2 spur)<br>or spur) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:31 |
| S3  | 0   | S2 and (spur\$1 near3 (sub adj2<br>channel\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:29 |
| S4  | 0   | S2 and (spur\$1 same (sub adj2<br>channel\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:29 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S5  | 0   | S2 and (mask same (sub adj2 channel\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:29 |
| S6  | 0   | S2 and (mask near3 (sub adj2 channel\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:29 |
| S7  | 0   | S2 and (spur and (sub adj2 channel\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:29 |
| S8  | 0   | S2 and (spur and ("sub-channel\$1"))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:36 |
| S9  | 0   | S2 and (("sub-channel\$1"))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:12 |
| S10 | 1   | S2 and (ofdm)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 18:13 |
| S11 | 698 | (mitigat\$3 or eliminat\$3 or reduc\$4 or delet\$3 or null\$3 or zero\$3) adj2 ((viterbi adj2 mask) or spur)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:31 |
| S12 | 0   | S11 and (("sub-channel\$1"))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:31 |
| S13 | 1   | ofdm and (mitigat\$3 or eliminat\$3 or reduc\$4 or delet\$3 or null\$3 or zero\$3) adj2 ((viterbi adj2 mask) or spur)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:31 |
| S14 | 2   | ofdm and ((mitigat\$3 or eliminat\$3 or reduc\$4 or delet\$3 or null\$3 or zero\$3) near3 ((viterbi adj2 mask) or spur)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:32 |

## EAST Search History

|     |   |  |   |    |     |                  |
|-----|---|--|---|----|-----|------------------|
| S15 | 0 | S11 and (pilot near3 ("sub-channel\$"))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:33 |
| S16 | 0 | S11 and (pilot near3 ("sub-channel\$1"))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:34 |
| S17 | 4 | "10263415"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:35 |
| S18 | 0 | S11 and (narrow adj2 tone\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 12:35 |
| S19 | 0 | S2 and ((noise or interference or tone\$1) near3 ("sub-channel\$1")) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:53 |
| S20 | 1 | viterbi adj2 mask  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:53 |
| S21 | 4 | viterbi near3 mask   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:56 |
| S22 | 1 | viterbi near3 (pilot adj2 mask\$3)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:57 |
| S23 | 0 | ofdm same (pilot adj2 mask\$3)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:57 |
| S24 | 0 | ofdm same (pilot near3 mask\$3)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:57 |

## EAST Search History

|     |    |                                 |   |    |     |                  |
|-----|----|---------------------------------|---|----|-----|------------------|
| S25 | 34 | ofdm same (pilot adj2 track\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:58 |
| S26 | 0  | S25 and ("sub-channel\$1"))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/08/10 15:58 |